

ACO SELF[®] Euroline



Euroline Polymer concrete drainage channels

- **Euroline 100**
- **Euroline 150**



ACO Self® Channel –high strength domestic and residential water drainage system.



If rain water is not properly diverted, it can cause structural damage inside and outside the residence. With the ACO Self® system, ACO provides drainage channels for all types of terrain and the most varied requirements. The ACO Self® modular system offers more than a drainage function, combining functionality with the highest level of design. One channel for any requirement with a range of grating designs to suit the design need.

Modular System

ONE CHANNEL for each application. The ACO Self® drainage was specially developed for private applications and combines best quality with high level of design. Gratings are car drivable and suitable for all drainage applications around the house.



Pools and
water
features

Terraces
and decks

House
entrances

Garage
entrances

Driveways

The ACO Self® Euroline



Polymeric channel benefit

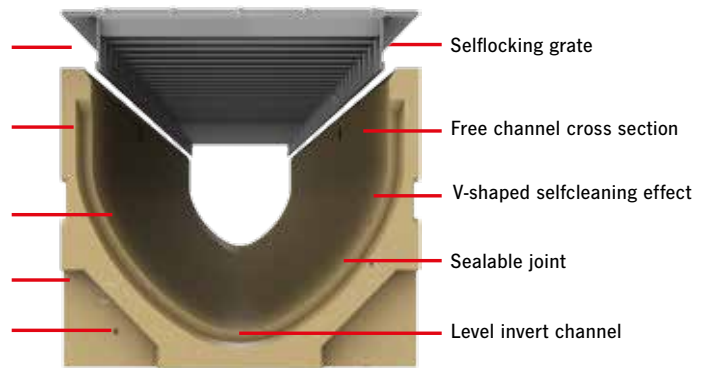
Material:
polymer concrete

Light duty
traffic applications

Smooth surface
for high flow rate

Frost-resistant

High strength



Load Class up to 250 KN certified!

The ACO Self® Euroline product range

Galvanised steel
10mm
slotted grate



Galvanised steel
6mm
heelsafe
slotted grate



Cast Iron
10mm
slotted grate



Composite
grating with
micro grip



Brickslot
stainless steel
or galvanised
steel
65mm depth



Stainless steel
linear heelsafe
grate



Cast Iron
mesh grate
terracotta
*Alternative
coloured
option on
request



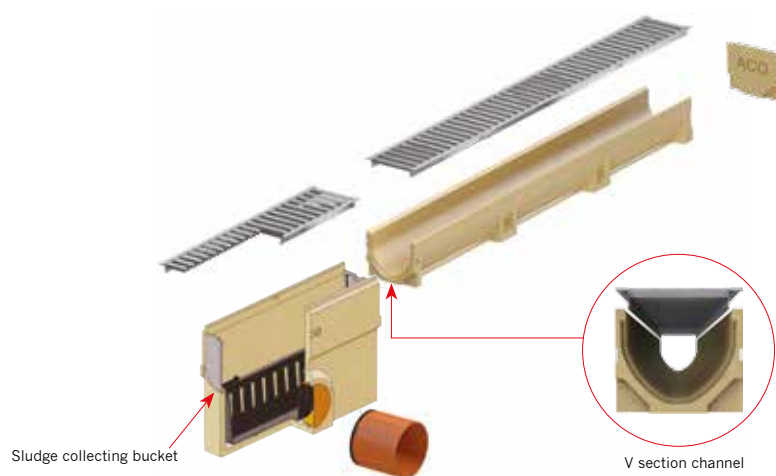


Product information

- In polymer concrete
- V-shape section
- Resistant to freeze thaw attack
- Low weight and high compressive strength
- High hydraulic capacity and flow rate
- No bar locking device
- Intergated locking system
- Foul air trap

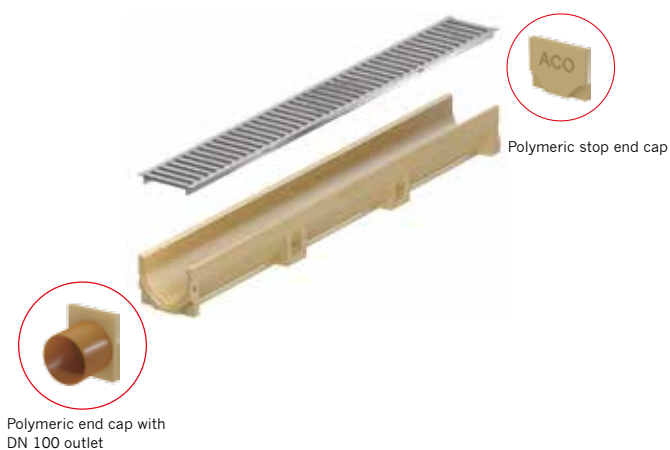
Connection: Type 1

Connecting to the drainage system through a sump unit, including a sludge collection bucket and optional foul air trap



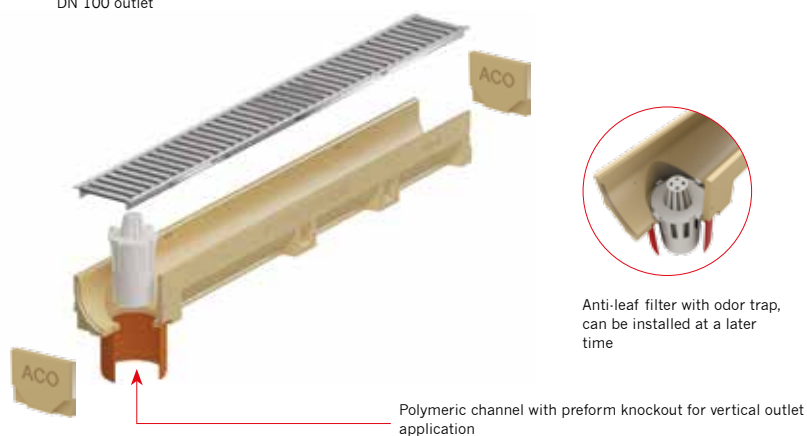
Connection: Type 2

Connecting to the drainage system through the polymeric end cap with DN 100 outlet pipe fitting.



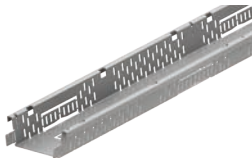


Connection: Type 3

Connecting to the drainage system through the preform channel DN 100 knockout










The complete system at a glance

Figure	Information	Length [mm]	Width [mm]	Height [mm]	Article no.
ACO Self® Euroline made of polymer concrete, max. B125					
	Channel element without grating	1000	118	97	38500
	Channel element without grating	500	118	97	38502
	Channel element with outlet socket, without grating	1000	118	97	38501
	Sump unit ACO Self® Euroline without grating incl. dirt bucket (does not fit on the Euroline 60)	500	118	300	38503
ACO Self® Euroline 60 flat channel made of polymer concrete, max. car accessibility					
	Flat channel element without grating	1000	118	55	810000
	Flat channel element without grating	500	118	55	320276
	Flat channel element with outlet socket, without grating	1000	118	55	810010
ACO Self® Hexaline made of plastic, max. car accessibility					
	Channel element without grating	1000	129	79	319200
ACO Self® Highline, max. accessibility					
	Façade gutter element without grating, galvanised steel	2000	120	50	320094
		1000	120	50	320095
		500	120	50	320096
	Façade channel element without grating, stainless steel	2000	120	50	320102
		1000	120	50	320103
		500	120	50	320104




Accessories

Euroline 100 accessories					
Image	Description	Type	Depth overall [mm]	Weight [kg/pc]	Code
	Combined end cap		55	0,35	810200
			97	0,45	38504
			139	0,80	810202
	End cap with DN 100 outlet	Ø 60 mm	55	0,50	810201
		Ø 110 mm	97	0,60	38505
		Ø 110 mm	139	0,95	810203
	Foul air trap			0,12	01666
	Leave catcher			0.02	319282
	Euroline Sump Unit (Including sludge basket)	Ø 110 mm	300mm	10,5	810040

Euroline 150 accessories					
Description		Type	Material	Depth [mm]	Code
	End cap	Combined end cap	Polymer concrete	200	850230
	End cap with pipe	DN 150	Polymer concrete	200	850240



Euroline 100 gratings						
Image	Description	Length [mm]	Width overall [mm]	Slot/mesh [mm]	Weight [kg/pc]	Code
	Galvanized steel slot grating	1000	118	10	1,40	38516
	Heelsafe galvanized steel slot grating	1000	118	6	1,70	810102
	Cast iron slot grating load class 125 kN (medium duty)	500	118	10	2,50	38512
	Polypropylen with Microgrip	1000	118	8	0,63	319250

Linear triangle bar grating (Heelsafe)						
Image	Description	Length [mm]	Width overall [mm]	Slot/mesh [mm]	Weight [kg/pc]	Code
	Stainless steel	1000	118	6	3,15	10323
		500	118	6	1,5	10324

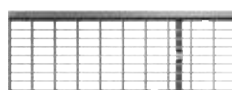

Euroline 150 gratings						
Image	Description	Length [mm]	Width overall [mm]	Slot/mesh [mm]	Weight [kg/pc]	Code
	Galvanized steel mesh grating	1000	181	30 x 10	5,00	850104
	Cast iron slot grating	500	181	147 x 18	4,80	850106









Figure	Information	Length [mm]	Width [mm]	Height [mm]	Article no.
ACO Self® Designer Cover Gratings					
	Double slotted grating „Wood“	1000	118	-	310314
	■ Stainless steel				
	■ Walk-on capable ■ (to be filled on site)				
	Double slotted grating „Tile“	1000	118	-	310315
	■ Stainless steel				
	■ Walk-on capable ■ (to be filled on site)				
	Double slotted grating „Stone“	1000	118	-	310317
	■ Stainless steel				
	■ Walk-on capable ■ (to be filled on site)				
	„Voronoi“ surface grating	500	118	-	310319
	■ Cast iron				
	■ B 125 ■ not recommended for the ACO Self® Highline				
	„Intercept“ longitudinal bar grating	500	118	-	310321
	■ Cast iron				
	■ B 125 ■ not recommended for the ACO Self® Highline				
	Longitudinal bar grating	1000	118	-	10323
	■ Stainless Steel	500	118	-	10324
	■ Car-accessible				

Figure	Information	Length [mm]	Width [mm]	Height [mm]	Slot height [mm]	Article no.
ACO Self® Slotted attachment						
	Slotted attachment	1000	118	-	40	415822
	■ Steel, galvanised	850	118	-	40	415824
	■ Car-accessible	500	118	-	40	415846
	Inspection element	500	118	40	-	415823
	■ Steel, galvanised	150	118	40	-	415825
	■ Car-accessible					
	Slotted attachment	1000	118	-	40	415826
	■ Stainless steel	850	118	-	40	415828
	■ Car-accessible	500	118	-	40	415847
	Inspection element	500	118	40	-	415827
	■ Stainless steel	150	118	40	-	415827
	■ Car-accessible					

Euroline 100 brickslot							
Image	Drawing	Description	Length [mm]	Width [mm]	Depth [mm]	Weight	Code
		"L" shape brickslot Galvanised steel	1000	118	65	4,35	415830
			500	118	65	2,10	415848
		"L" shape brickslot inspection piece Galvanised steel	500	118	65	3,30	415831
		"L" shape brickslot Stainless steel	100	118	65	3,35	415834
			500	118	65	2,10	415849
		"L" shape brickslot inspection piece Stainless steel	500	118	65	3,30	415835

* Depth sizes 40mm and 105mm available on request.



Installation and maintenance of Self® slot channel

Maintenance of the ACO Self® channels with Brickslot is performed via a revision element that is placed directly above the outlet. Depending on the system there is a half-meter or 15-cm revision element available. Revision element should be opened and channel should be cleaned approx. twice a year. Please adjust cleaning frequency to local conditions or provide a second revision element at the other end of the line to facilitate cleaning.

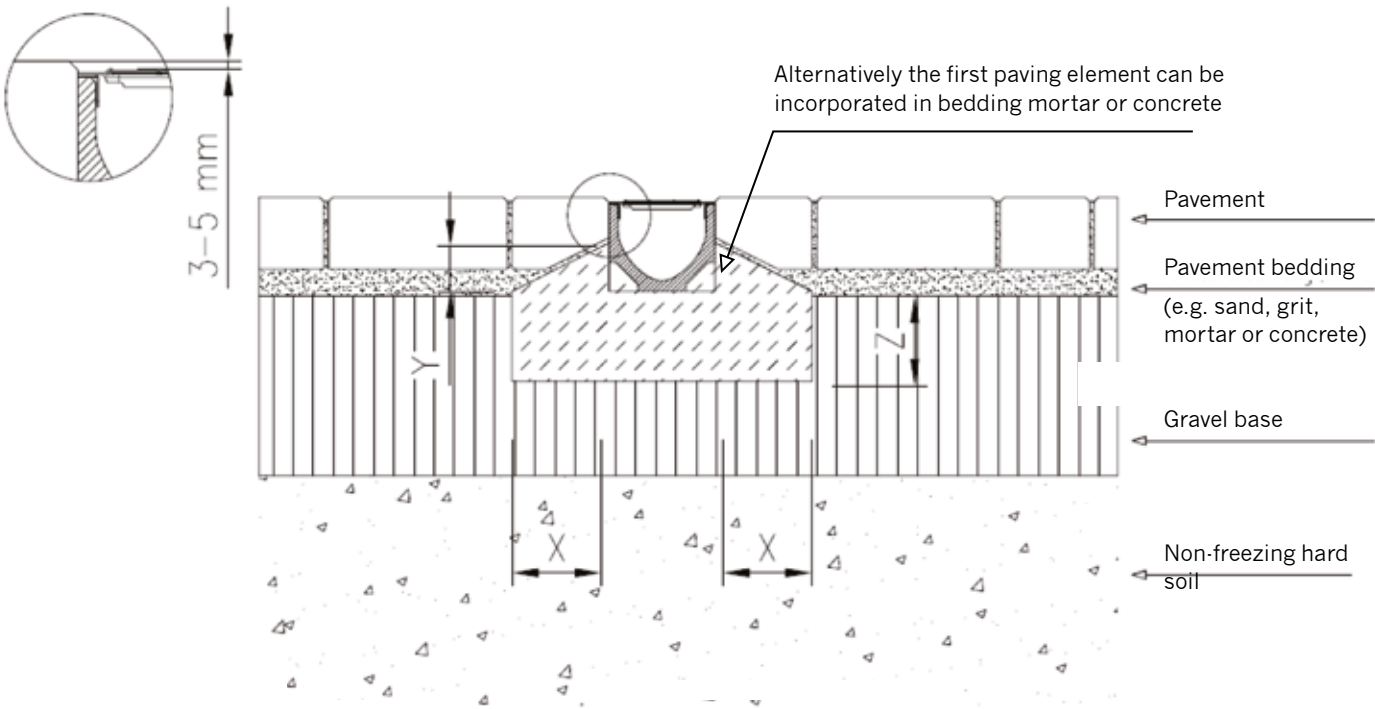
ACO Self® slot channel with inspection element and sump unit

The half-meter revision element fits perfectly with the overall appearance, because the surrounding pavement can also be installed into the tray. Continuous drainage slot guarantees drainage of water over the inspection element. This can be easily opened with two lifting hooks. The inspection element is placed directly on the sump therefore system can be efficiently cleaned with just a dirt bucket.



Installation of ACO Self® Euroline channel

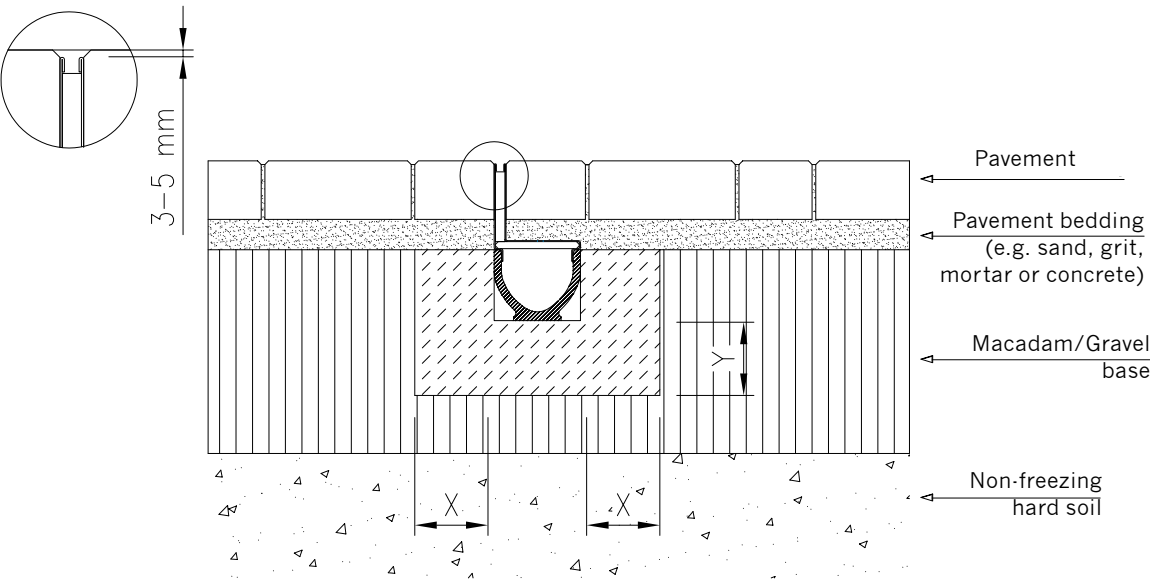
ACO Self® Euroline installation in pavement



Load class	A 15	B 125	C 250
Minimum concrete quality EN 206 - 1	C 12/15	C 12/15	C 12/15
X	≥10	≥10	≥15
Y	0	≥5	≥5
Z	≥10	≥10	≥15

Classe: A15 Stainless steel and galvanised steel grate
Classe: B125 Composite grate

ACO Self® Euroline with Brickslot - installation in pavement



Load class	A 15	Car drivable
Minimum concrete quality acc. DIN 1045	B15	B15
acc. EN 206 - 1	C 12/15	C 12/15
X	≥10	≥10
Y	≥10	≥10

ACO Euroline with Brickslot in pavement
Brickslot class A15 / light vehicle drivable

Installation examples



Visit our website www.aco.co.za for more drainage solutions

Multiline – Higher Hydraulic Capacity

Monoblock – Monocast Solution with Integrated Grate

